

FIGURE 1

09003047-010560

09003047-010596

FIGURE 2 (Sheet 1 of 2)

<u>XbaI</u>	*	<u>PstI</u>	<u>HqaI</u>
<u>TCTAGAGTC</u>	ATGAAACAAC	AAAAACGGCT	TTACGCCCCG
			TTGCTGACGC
			<u>HqaI</u>
			TGTTATTTCG
GCTCATCTTC	TTGCTGCCTC	ATTCTGCAGC	AGCGGGGCA
			AATCTTAATG
			<u>GGACGCTGAT</u>
GCAGTATTTT	GAATGGTACA	TGCCCAATGA	CGGCCAACAT
			TGGAAGCGTT
			TGCAAAAACGA
CTCGGCATAT	TTGGCTGAAC	ACGGTATTAC	TGCCGTCTGG
			ATTCCCCCGG
			CATATAAGGG
AACGAGCCAA	CGGATGTGG	GCTACGGTGC	TTACGACCTT
			TATGATTAG
			GGGAGTTTCA
TCAAAAAGGG	ACGGTTCGGA	CAAAGTACGG	CACAAAAGGA
			GAGCTGCAAT
			CTGCGATCAA
AAGTCTTCAT	TCCCGCGACA	TTAACGTTTA	CGGGGATGTG
			GTCATCAACC
			ACAAAGGCGG
CGCTGATGCG	ACCGAAGATG	TAACCGCGGT	TGAAGTCGAT
			CCCCTGACC
			GCAACCGCGT
AATTTCAGGA	GAACACCTAA	TTAAAGCCTG	GACACATTTT
			CATTTTCCGG
			GGCGCGGCAG
CACATACAGC	GATTTTAAAT	GGCATGGTA	CCATTTTGAC
			GGAACCGATT
			GGGACGAGTC
CCGAAAGCTG	AACCGCATCT	ATAAGTTTCA	AGGAAAGGCT
			TGGGATTGGG
			AAGTTTCCAA
TGAAAACGGC	AACTATGATT	ATTTGATGTA	TGCCGACATC
			GATTATGACC
			ATCCTGATGT
CGCAGCAGAA	ATTAAGAGAT	GGGGCACTTG	GTATGCCAAT
			GAACTGCAAT
			TGGACGGTTT
CCGTCTTGAT	GCTGTCAAAC	ACATTAAATT	TTCTTTTTTG
			CGGGATTGGG
			TTAATCATGT
CAGGGAAAAA	ACGGGGAAGG	AAATGTTTAC	GGTAGCTGAA
			TATTGGCAGA
			ATGACTTGGG

SEQUENCE 2 (Sh et 2 of 2)

CGCGCTGGAA AACTATTGA ACAAACAAA TTTTAATCAT TCAGTGTTG ACGTGCCGCT
TCATTATCAG TTCCATGCTG CATCGACACA GGGAGGGGGC TATGATATGA GGAATTGCT
GAACGGTACG GTCGTTTCCA AGCATCCGTT GAAATCGGTT ACATTGTGCG ATAACCATGA
TACACAGCCG GGGCAATCGC TTGAGTCGAC TGTCCAACA TGGTTTAAGC CGCTTGCTTA
CGCTTTTATT CTCACAAGG AATCTGGATA CCCTCAGGTT TTCTACGGG ATATGTACGG
GACGAAAGGA GACTCCAGC GCGAAATCC TGCCTTGAAA CACAAAATG AACCGATCTT
AAAAGCGAGA AACAGTATG CGTACGGAGC ACAGCATGAT TATTCGACC ACCATGACAT
TGTCGGCTGG ACAAGGGAAG GCGACAGCTC GGTGCAAAT TCAGGTTGG CGGCATTAAT
AACAGACGGA CCCGGTGGG CAAAGCGAAT GTATGTCGGC CGGCAAAACG CCGGTGAGAC
ATGGCATGAC ATTACCGGA ACCGTTCCGA GCCGGTTGTC ATCAATTCG AAGGTGGGG
AGAGTTTCAC GTAAACGGCG GTCGGTTTC AATTATGTT CAAAGATAGA AGAGCAGAGA
BamHI
GGACGGATTT CCTGAAGGA ATCCGTTTTT TTATTTGCC CGTCTTATAA ATTTCTTTGA
TTACATTTTA TAATTAATTT TAACAAAGTG TCATCAGCCC TCAGGAAGGA CTTGCTGACA
GTTTGAATCG CATAGGTAAG GCGGGGATGA AATGGCAACG TTATCTGATG TAGCAAAGAA
AGCAAATGTG TCGAAAATGA CGGTATCGCG GGTGATCA
BclI

FIGURE 3

Oligonucleotide duplex A

	<u>NcoI</u>	<u>BamHI</u>	<u>HindIII</u>
	[]	[]	[]
5'	GGGTTT	TTTAA	TTTCTTCAAA
3'	CCCAAA	ATAAA	ATTGAAAGTTATGAAGTGGTACCCATTGCC
			TTTCCA 3'

Oligonucleotide duplex B

	<u>NcoI</u>	<u>HgaI</u>	SITE
	[]	α -AMYLASE	[]
5'	CATG	GCAAA	TCTTAATGGACGCTGATG 3'
3'		CGTTAGA	ATTACCTGCGACTACGTCAT 5'
		Met	mature α -Amylase

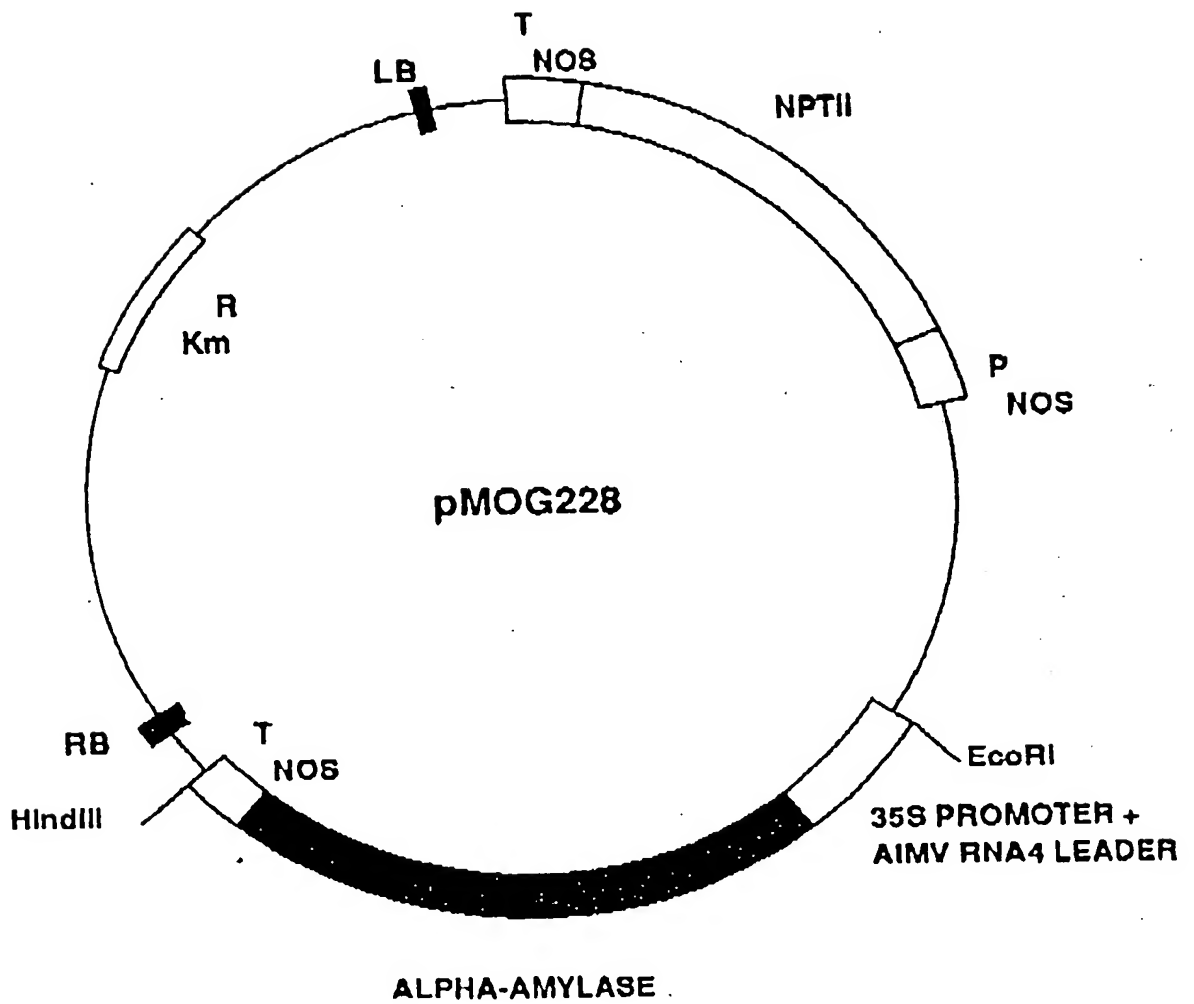


FIGURE 4

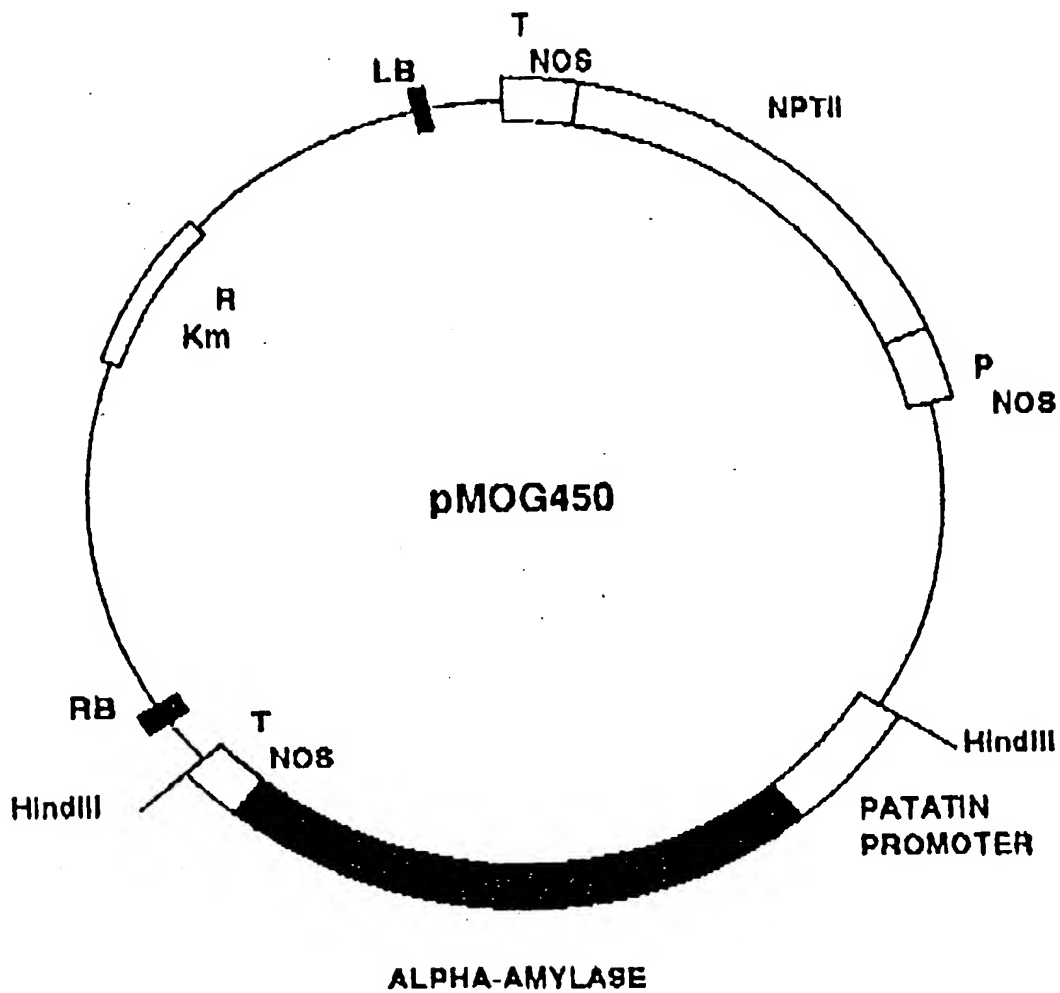


FIGURE 5

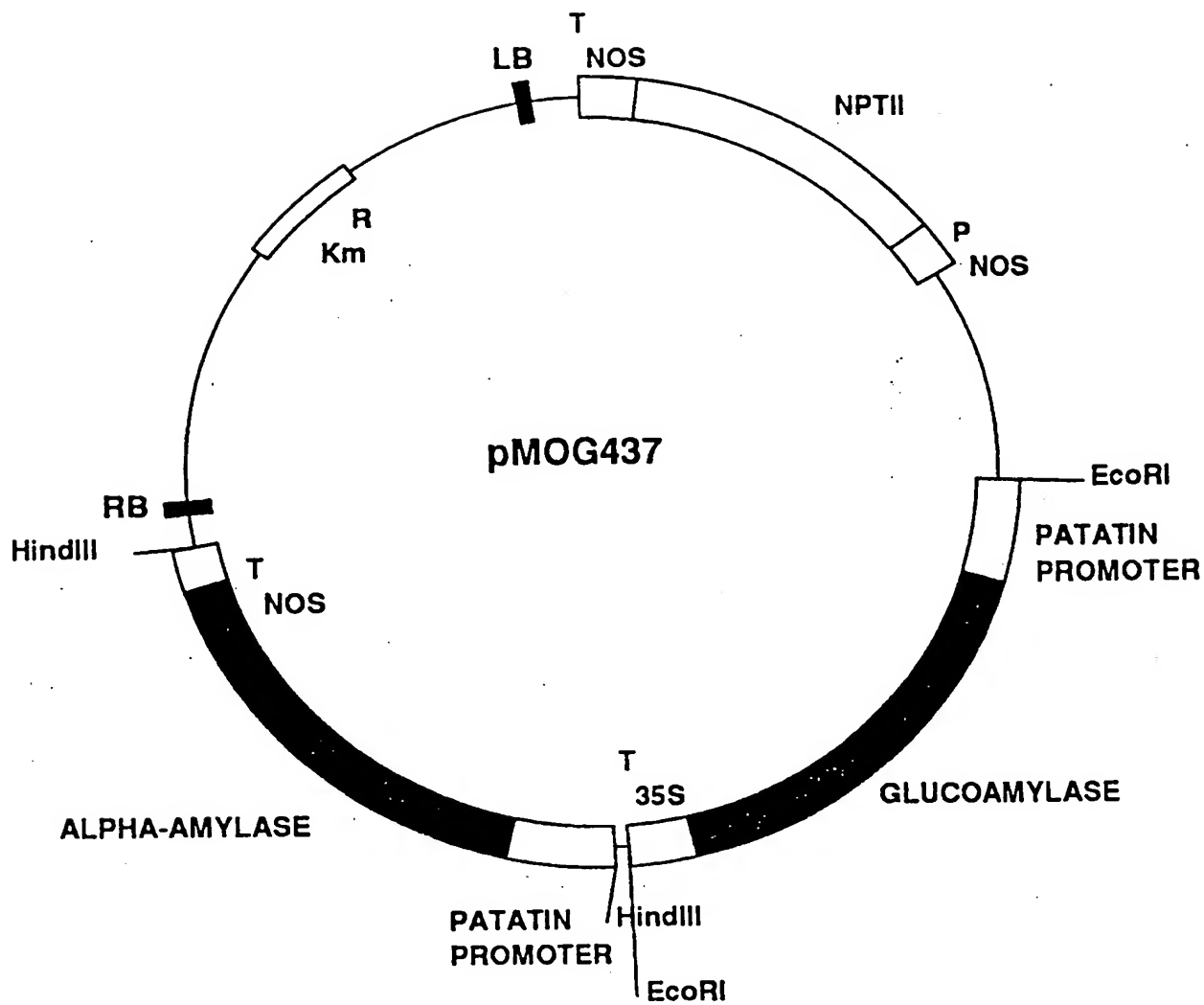


FIGURE 6